BOOK

s		Contents	Reference to last Measurement
dth	Depth 6	7	8

M. A. R. 57 (Rule 116)

Measurement Book No. B 209142

Serial No. 2nd and final Bill BR-A10/23-8-15

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency B.B. Dinesh. Contractor.

Date of commencement of work D.O. Record ; 18.08.2016

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Name of Work : Improvements to Roads and drains at Vinayakanagara in Ward no.11, Vidyarayapura sub-Division						
	Estimated Cost Rs. 40.00 Lakh.						
	DB.No - UM-16-0000002						
	Work order no (modified) - EE/BTP/BBMP/E-PMT-01(17822)/WO/103/2016-17 Dt. 09-08-2016						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Date of commencement =						
	Date of completion =						
	(1) Earth work Excavation by manual means in ordinary soil involving an average horizontal throw upto 2 mtrs and an average lift upto 0.50 mtrs, Excavated surface levelled and sides neatly dressed, the disposed Earth to be levelled neatly after breaking clods Complete as per specifications -						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	(a) qty upto 125 m = 447.19 (b) above 125 m = 176.73 c 83.16 (2) Providing and lay concrete mix 1 With 40mm and Coarse aggregat 0.57 m³, machine m not exceeding 15 m

NT BOOK

mensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
...ensins ordinary dist				
...w upto 2nd and				
...x coated super				
..., the disposed				
... breaking chats				

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209143

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	(a) qty upto 12.5 = 447.19 - 273.60	Qty made				MB. No. 2095	
	(b) above 12.5 = 176.73 + 83.16	At no. (1)				p. 209491	
(2)	Providing and laying in position plain cement concrete M 15 with OPC cement 43 Gr with 40mm nominal down size graded granite metal Coarse aggregate 0.85 m^3 and fine aggregate 0.57 m^3 machine mixed concrete laid in layers not exceeding 150mm thick well compacted, in					623.92 m^3	33807.56 14696.67

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	foundations and pinths, including costing all materials labours, Hire of machinery, curing complete as per specifications and directions Engineer-in-charge work.						
	q"						
			9th side : RMB 20957				
			P. 20949 ~~11~~ (2) 2			321.88	1560/165.24
						e 4847.64/43	
(3)	Providing and laying cement concrete using 20mm nod down-size granite jelly of Ready mixed concrete (RMC) for RCC works Lay in 15cms thick layers and well compacted						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ag
Date of commencement of work .....

Date	Full description, etc, of wo
1	2
	Vibrating, cu cement ~~concr~~ degassing in With all lead mixed cement foundations, colu etc as per the d work.

ENT BOOK

Dimensions			Contents	Reference to last Measurement
gth 4	Breadth 5	Depth 6	7	8
ly	costy all materials			
,	cumy Complete upto			
y	Engineer-in-Charge			
ng	ade : roof B		2095	
49	11 (2) 2		321.88 sq	1560/65.24
			@ 4847.64/sq	
ent	concrete using			
ith	gelly of Ready			
	for RCC works Lusy			
	well compacted			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209144

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Vibrators, cumy & finishy with necessary cement ~~concrete~~ mortar, form works and deaphoddy to withstand pumping of concrete with all lead and lifts etc Complete. Ready mixed cement concrete M.20 (1:1.5:3) for Raft foundations, column, footing mass and deandy Beam etc as per the direction of Engineer-in-Charge of work.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(a) Vinayaka Nagar 4/s. 2nd. CROSS	1	30.00	$\frac{4.1+3.9}{2}$	0.125	15.09	
		1	30.00	$\frac{3.95+3.5}{2}$	0.125	25.88	
		1	4.00	$\frac{3.85+3.6}{2}$	0.125	1.86	
	(b) CROSS Road Near Temple	1	14.00	$\frac{4.0+3.6}{2}$	0.125	7.88	
		1	30.00	$\frac{2.8+3.1}{2}$	0.125	11.06	
		1	30.00	$\frac{3.1+3.8}{2}$	0.125	12.94	
		1	6.00	$\frac{3.8+2.8}{2}$	0.125	2.48	
	(c) CROSS-Road Behind Temple.	1	22.00	$\frac{2.8+3.0}{2}$	0.125	7.98	

23/8

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	(d) CROSS Road Behind ...ple
	Checked.
	(e) CROSS-Road Near ... Jewelry

NT BOOK

mensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
	$\frac{4.1+3.9}{2}$	0.125 = 15.09		
	$\frac{3.95+9.5}{2}$	0.125 = 25.88		
	$\frac{3.85+3.6}{2}$	0.125 = 1.86		
	$\frac{4.0+3.0}{2}$	0.125 = 7.88		
	$\frac{2.8+3.0}{2}$	0.125 = 11.06		
	$\frac{3.1+3.8}{2}$	0.125 = 12.94		
	$\frac{3.8+2.8}{2}$	0.125 = 2.48		
	$\frac{2.8+3.0}{2}$	0.125 = 7.98		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209145

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	(d) CROSS Road Berm .525 Checked. VB 23/8	1	30.00	$\frac{3.0+2.2}{2}$	0.125 = 9.75		
		1	5.00	$\frac{2.2+1.8}{2}$	0.125 = 1.11		
		1	30.00	$\frac{2.65+2.0}{2}$	0.125 = 8.72		
		1	22.00	$\frac{2.0+4.6}{2}$	0.125 = 9.08		
		1	16.00	$\frac{4.6+4.6}{2}$	0.125 = 9.20		
	(e) CROSS-Road Near Jenely	1	30.00	$\frac{2.5+2.9}{2}$	0.125 = 10.13		
		1	9.00	$\frac{2.9+2.9}{2}$	0.125 = 3.26		

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(a) Bakery - Road	1	9.40	$\frac{8.0+3.7}{2}$	0.125	= 6.58	
		1	25.40	$\frac{5.4+5.4}{2}$	0.125	= 16.68	
	(b) Singapura Gulte - 2	1	30.40	$\frac{3.0+3.9}{2}$	0.125	= 12.84	
	(c) Cross - Road	1	38.40	5.50	0.125	= 24.06	
		1	40.40	$\frac{4.0+3.8}{2}$	0.125	= 19.50	
		1	40.40	$\frac{3.0+3.9}{2}$	0.125	= 15.28	
						231.654 m³	
						@ 5847.12/m³	1354485.34
	(d) Vacuum - dewatering with vacuum pumping and shuttering mat and Compacting with slefin						1354485.34

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Plaster Clubbed breed Vibraty, ek with all lead Engineer - fm - C
	@ Vinayaka Layout 2nd Cross - 4/s

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measuremen
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	including placing in positions, lapping and or welding wherever required, tying with binding wire and anchoring to it adjoining members wherever necessary complete as per design, costing materials, labour, hire of machinery complete as per specifications and as per the directions of Engineer-in-charge of work.					qty = MB. 2095 p. 20949 ✓ 86933.00	
						₹ @ = 111 MTS @ 7835.84/MT	
(10)	Providing and removing centering, shuttering, struting propping etc and removal of form work for						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	flat surface slab, landings, balcon including cost o as per specific charge of work for -CO' (a) 6MCRoss-Ro Nirayalenkyn (b) 1/F of Baby

BOOK

ns		Contents	Reference to last Measureme
adth 5	Depth 6	7	8
ing and or Welding including Wire and wherever necessary materials, labour specification. cer - in- charge			
B. 2095 p. 20949			86933.00
type e7835 84/MT			86
shutting, struting Work for			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209153

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Flat Surface such as suspended floors, Roofs, landings, balconies and Slabs thickness upto 200mm including cost of all materials, labour complete as per specification, and directions of Engineer-in-charge of Work						
	for - CD's						
(a)	GM Cross Road Nirmalanagar	1	6.70	0.60	-	4.02	
(b)	1/F of Baby	1	8.00	0.60	-	4.80	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(a)	Singapura main Road (L)	1	7.60	0.60	-	4.56	
(b)	—"— R/S	1	5.70	0.60	-	3.42	
(c)	Singapura Cuttle	1	5.20	0.60	-	3.12	
(d)	Kanakadasa Nagar	1	7.00	0.60	-	4.20	
	for. Sides CD1	1×1	16.40	-	0.23	= 3.77	
	CD2	1×1	19.00	-	0.23	= 4.37	
	CD3	1×1	18.20	-	0.23	= 4.19	
	CD4	1×1	14.40	-	0.23	= 3.31	
	CD5	1×1	13.40	-	0.23	= 3.08	
	CD6	1×1	17.00	-	0.23	= 3.91	
	for - Road Concrete beds						
	Road - 1	2×2	30.00	-	0.23	= 27.60	
		2×1	25.00	-	0.23	= 11.50	
	Road - 2	2×1	30.00	-	0.23	= 6.90	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ...
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	for - Road - 3
	—"— 4
	—"— 5
	(a) qty upto 125 ft.
	(b) qty above 125 ft.
	(11) Lead for Disposal

ENT BOOK

Dimensions			Contents	Reference to last Measurement
th	Breadth 5	Depth 6	7	8
00	0.60	-	4.51	
0	0.60	-	3.42	
0	0.60	-	3.12	
0	0.60	-	4.20	
0	-	0.23	= 3.77	
0	-	0.23	= 4.37	
0	-	0.23	= 4.19	
10	-	0.23	= 3.31	
0	-	0.23	= 3.08	
0	-	0.23	= 3.91	
0	-	0.23	= 27.60	
0	-	0.23	= 11.50	
0	-	0.23	= 6.90	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209154

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	for - Road - 3	1×1	20.00	-	0.23	= 4.60	
		2×1	40.00	-	0.25	= 20.00	
	——— 4	2×1	30.00	-	0.25	= 45.00	
		2×1	5.00	-	0.23	= 6.90	
	——— 5	2×1	40.00	-	0.20	= 20.00	
		2×1	35.00	-	0.25	= 17.50	
						206.75 m²	
	(a) qty upto 125 f.	=	161.884²	@ 314.28/m²			50874.00
	(b) qty above 125 f.	=	44.884²	@ 329.40/m²			14782.00
	(11) Lead for Disposal of debris shall be payable						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	at carriage rates by mechanical means including loading and unloading as etc complete as per the direction of Engineer-in-charge of Works.						
						qty vide. Item no. ① = 623.924 m³	
						Item no = 490.004 m³	
						② upto 12% = 402.484 @ 72.71	29264.00
						③ above 12% = 87.534 @ 78.97	6912.00
	EIRL Item.						
123	Providing and constructing precast concrete hollow blocks with compressive strength not less than 35 kg/cm² with cm 1:4 mortar (open joints, cloakers blocks) with solid concrete blocks of						

Serial No. .....
Name of Work .....
Name of Contractor of nature o
Date of commencement of wor

Date	Full description, etc,
1	2
	Size 40x2
	Super stru
	charges, &
	and direct
	(a) Vinayaka
	Cross-Ro
	Temple
	sha
	(b) Temple B

T BOOK

nsions		Contents	Reference to last Measureme
Breadth 5	Depth 6	7	8
		means including	
		plete as per the	
		of Works.	
		No. ① = 623.924	
		44 No = 490.004	
		= 402.484 @ 72.71	29264.00
		= 87.534 @ 78.92	6912.00
		Concrete Holes	
		gth not less than	
		equare joints,	
		oncrete blocks of	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209155

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Size 40×20×20 cms consisting in ₹ 2185/1965 in Super structure including costs of materials, labour charges, & Cofoldy etc complete as per specifications and directions of Engineer-in-charge of the Works.						
	(a) Vinayaknagar Cross-Road near Temple for side drain	4×2	30.00	-	0.40 =	96.00	
		2×2	20.00	-	0.40 =	32.00	
	(b) Temple Back side	2×1	30.00	-	0.40 =	24.00	
		2×1	25.00	-	0.40 =	20.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Bailey Road Widening Singapura Cuttg.	202	34.00	-	0.20 = 27.20		
		201	35.00	-	0.40 = 28.00		
						227.20 m²	
						@ 1018.44/m	231389.57
						Total Rs	39,57,521.6

Certificate

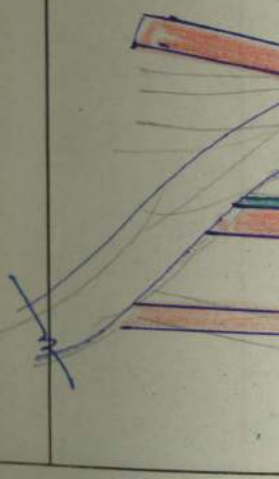
(1) certified that the contractor work done satisfactorily

(2) The contractor has removed the debris from site

18/08

Serial No. .....
Name of Work .....
Name of Contractor of natu
Date of commencement of

Date	Full description,
1	2



NT BOOK

mensions			Contents	Reference to last Measureme
	Breadth 5	Depth 6	7	8
		0.20 = 27.20		
		0.40 = 28.40		
			227.20 sq	
		@ 1018.44/-	231389.5	
		Total Rs	39,57,524.	

on Work done

of the debris

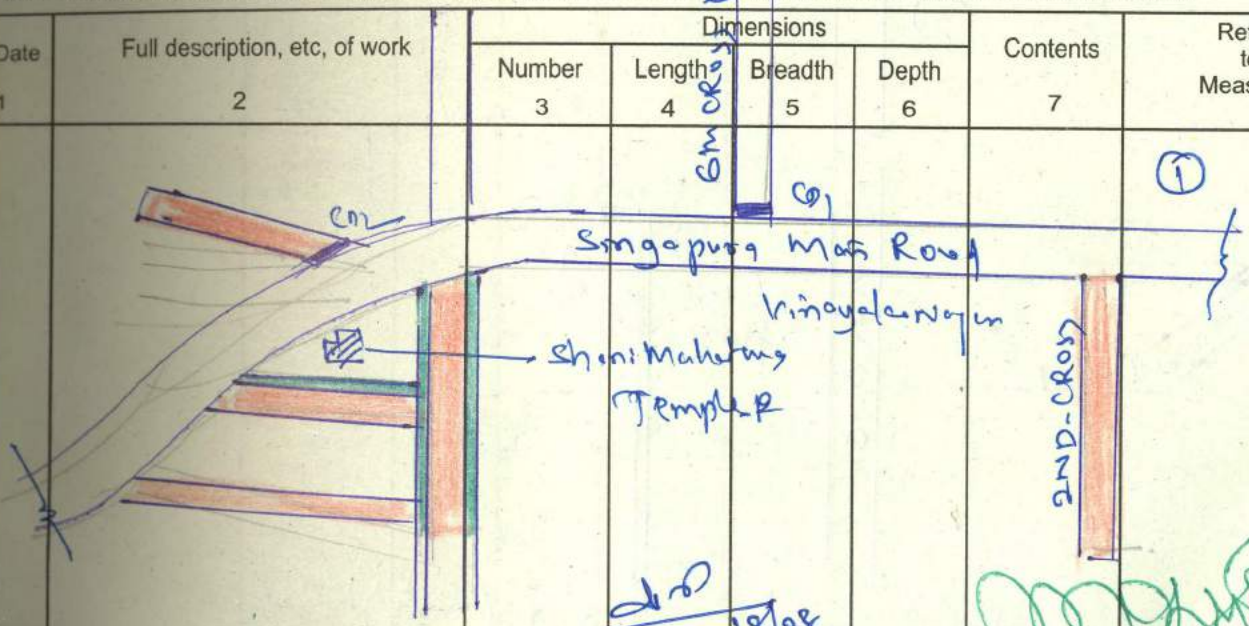
18/08

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209156

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
							(1)



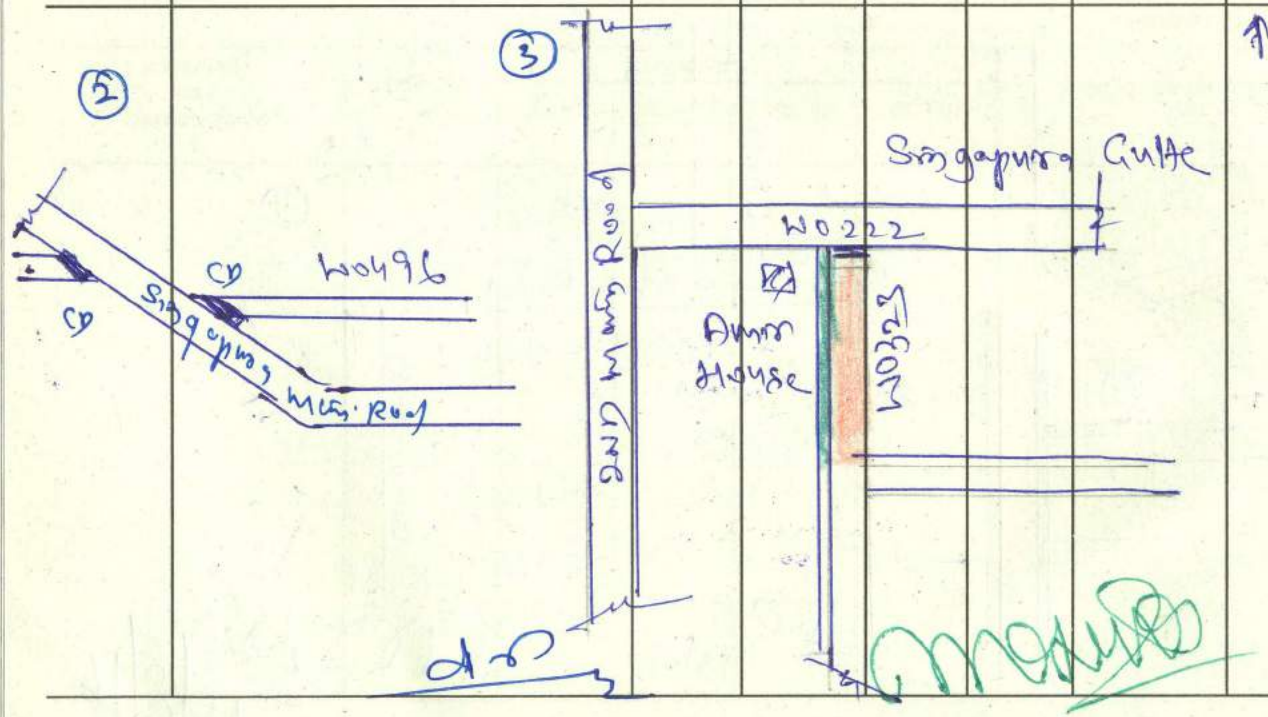
do

18/08

18/8/16

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



Serial No. .....
Name of Work ..
Name of Contractor of nature of Agency ..
Date of commencement of work .....

Date	Full description, etc, of work
1	2

Audited & Adm
36,83
and Rs 27
Accts Supdt

ENT BOOK

Dimensions			Contents	Reference to last Measureme-
th	Breadth 5	Depth 6	7	8
				To
			Singapura Gulae	
			222	7
			M0323	

M. A. R. 57 (Rule 116)
Measurement Book

No. B
209157

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Audited & Admitted to Rs 395750-00					IF- 39576-00	
	36,83,750-					VAT- 158310-00	
	and Rs 273770-					LWF- 3958-00	
	Singhupada					CBF- 3958-00	
	Accts Supdt					2/9/22- 32350-	
						Total- 273770-	